

File ACT/037/026
LaSal Snowball
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BOND ESTIMATE

56 Acres

UNION CARBIDE'S - LASAL-SNOWBALL MINE

ACT/037/026

12/15/83

DIVISION OF
OIL, GAS & MINING

A.	Removal of offices, shops, compressor buildings, headframe, etc. (dismantle and bury on site)				
	D-9 cat w/ripper	2 wks	@	\$4105/wk	\$ 8,200
	40-ton Linkbelt HTC 1040	1 wk	@	\$3915/wk	3,900
	20-yd ³ end dump truck	4 wks	@	\$1470/wk	5,900
	5-yd ³ 980-D cat loader	4 wks	@	\$1995/wk	8,000
	Tractor & 25-ton lowboy	60 hrs	@	\$55.55/hr	3,300
	Labor	2100 hrs	@	\$15/hr	31,500
					<u>\$60,800</u>
B.	Removal of trash and extraneous debris (haul to LaSal landfill)				
	20-yd ³ end dump truck	3 days	@	\$370/day	\$ 1,100
	3½-yd 966 cat loader	3 days	@	\$630/day	1,900
	Labor	72 hrs	@	\$15/hr	1,100
					<u>\$ 4,100</u>
C.	Foundation elimination, break-up and burial - 18" to 24"				
	D-9 cat w/ripper	3/4 wk	@	\$4105/wk	\$ 3,100
	Compressor & Jackhammer	24 hrs	@	\$56/hr	1,300
	Labor	24 hrs	@	\$15/hr	400
					<u>\$ 4,800</u>
D.	Restocking of unused fuels, oils, etc. (contingency cost)				\$ 500
E.	Pond Area: contouring, excavating pond bottom and dumping down mine shaft, (based on Hecla Mine cost estimate)				
	5 acres @ \$1300/acre				\$ 6,500
F.	Contouring dumps, surface plant area and roads (costs based on Hacla Mine estimates)				
	Waste Dumps	15 acres	@	\$1800/acre	\$27,000
	Plant Area & Roads	36 acres	@	\$85/acre	3,100
					<u>\$30,100</u>
G.	Topsoil Placement and grading on dumps (Hecla costs)				\$21,000
	15 acres @ \$1400/acre				
H.	Capping of vertical shafts	12 ea	@	\$1200/ea	\$14,400
	Bury 2 inclines	4 ft minimum			900
	D-9 cat	1 day	@	\$4105/wk - \$800	\$15,300
	Labor	8 hrs	@	\$15/hr - \$100	
					<u>900</u>

LASAL-SNOWBALL MINE

I.	Stabilization, reseedling of ponds, dumps and plant area, all acres	56 acres @ \$62/acre	\$ 3,500
J.	Monitoring, sampling and necessary testing		\$15,000
	Sub-Total		\$161,600
K.	Contingency, 10%		\$ <u>16,200</u>
	Total		\$177,800

- Conditions:
1. Hourly rates are based on weekly rates because equipment would be used on all phases of reclamation.
 2. Dollar amounts are rounded to the nearest hundred.
 3. All buildings, structures, etc., remaining after cessation of mining activities will have no salvage value and will be buried on site.
 4. Acreage costs are based on Hecla Mine detail costs.
 5. We now feel that 56 acres is what will be required for this permit. This new total contains a 5-acre evaporation pond contingency for anticipated water problems that may be encountered as the mine is developed to the west of the Beaver Shaft. As it is a contingency only, the area has not been delineated until that need may arise.
 6. Foundations that cannot be effectively removed will be buried under a minimum of 18"-24" of fill material and topsoil.

LASAL-SNOWBALL MINE

7. The new total of 12 vertical shafts includes the Beaver Shaft which was accidentally omitted in the previous estimate. Vertical shaft will be reclaimed by inserting a steel support framework and pouring an 18" to 24" concrete plug. Item H also includes burial of two inclines.
8. Monitoring costs are for vegetation and any augmentation that may be required.
9. The new stabilization and reseeding costs are based on the conditions of the original permit application and do not reflect either fertilization or mulching. If the plats or new information indicate the need for significant changes in the final reseeding techniques, changes will be made at later date.
10. The contingency amount in item K is being calculated at 10% as required, rather than the 15% rate as in previous estimates.

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